BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Construction of SSM Drain from Singapura Govt School to Ashraya Layout in Ward No. 11 Kuvempunagara, Vidyaranyapura Sub Division.**

			Estimate Cost:					**1000000.00**	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	Cum							
	SSM Drain Behind Govt School		1	55.00	1.00	1.45	79.75		
	SWD		1	14.00	1.00	1.45	20.30		
	Culverts		6	7.60	1.80	1.20	98.50		
	Basic Rate	84.00					**198.55**	90.72	**18012.00**
	Area Weightage @8%	6.72							
	Total	**90.72**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 /Item No. 4.3 PWD SR - 2013-14**	Cum							
	SSM Drain Behind Govt School		1	55.00	1.00	0.20	10.54		
	SWD		1	14.00	1.00	0.20	2.80		
	Culverts		6	7.60	1.80	0.15	12.31		
	Basic Rate	3973.00					**25.65**	4290.84	**110069.00**
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							
3	KSRB 5.4-3: Providing and constructing granite / trap / basalt size stone masonry in **superstructure with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 26 / Item No. 5.12/ PWD SR 2013-14**	Cum							
	SSM Drain Behind Govt School		1	55.00	0.75	1.00	41.25		
			1	55.00	0.60	0.75	24.75		
	SWD		1	14.00	0.75	1.00	10.50		
			1	14.00	0.60	0.65	5.35		
	Culverts		6x2	7.60	0.60	0.90	49.25		
	Basic Rate	4096.00					**131.10**	4423.68	**579936.00**
	Area Weightage @ 8%	327.68							
	Total	**4423.68**							
4	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 122 / Item No. 15.3 / PWD SR 2013-14**	Sqm							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	SSM Drain Behind Govt School		2	55.00		1.00	110.00		
	SWD		2	14.00		1.00	28.00		
	Culverts		6x2	7.60		0.90	80.50		
	Basic Rate	72.00					**218.50**	77.76	**16991.00**
	Area Weightage @ 8%	5.76							
	Total	**77.76**							
5	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix M15 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12 / Item No. 4.6 / PWD SR 2013-14**	Cum							
	SSM Drain Behind Govt School		1	55.00	0.75	0.12	4.95		
	SWD		1	14.00	0.75	0.10	1.05		
	Culverts		6x2	7.60	0.60	0.10	5.40		
	Basic Rate	4425.00					**11.40**	4779.00	**54481.00**
	Area Weightage @ 8%	354.00							
	Total	**4779.00**							
6	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2013-14**	Sqm							
	For Culvert Covering Slab		6	7.60	1.30		58.44		
			6x2	8.00		0.23	22.08		
			6x2	2.00		0.23	5.52		
	Basic Rate	251.00					**86.04**	271.08	**23324.00**
	Area Weightage @ 8%	20.08							
	Total	**271.08**							
7	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14**	Cum							
	Covering Slab to SSM Drain		6	7.50	1.80	0.23	**17.10**	5639.76	**96440.00**
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
8	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14 TMT bar Fe 500**	Qntl							
	Consider 65KG/Cum		0.65	17.10			11.12		
							11.12	7450.92	**82817.00**
	Basic Rate	6899.00							
	Area Weightage 8%	551.92							
	Total	**7450.92**							
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
				Vide Item No. 1			**99.28**	72.71	**7218.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
	For Third Part QC Inspection Charges @ 1% of Estimate Cost								**10000.00**
10	Miscellaneous and other Charges	L/S							**713.00**
								Total	**1000000.00**

(Rs. Ten Lakhs Only)

ADMINISTRATIVELY SANCTIONED FOR Rs. 10.00 lakhs
Rupees Ten lakhs only
Under
Registered as EE ( ) No
Subject to conditions contained in
enclosed memo EE ( ) No /3/...
Dt
Estimate Administrative Sanctioned
Addl Comm(Yz) A:S 681 13-14
dated 23-12-2013 Rs 10.00 lakhs

Addl Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

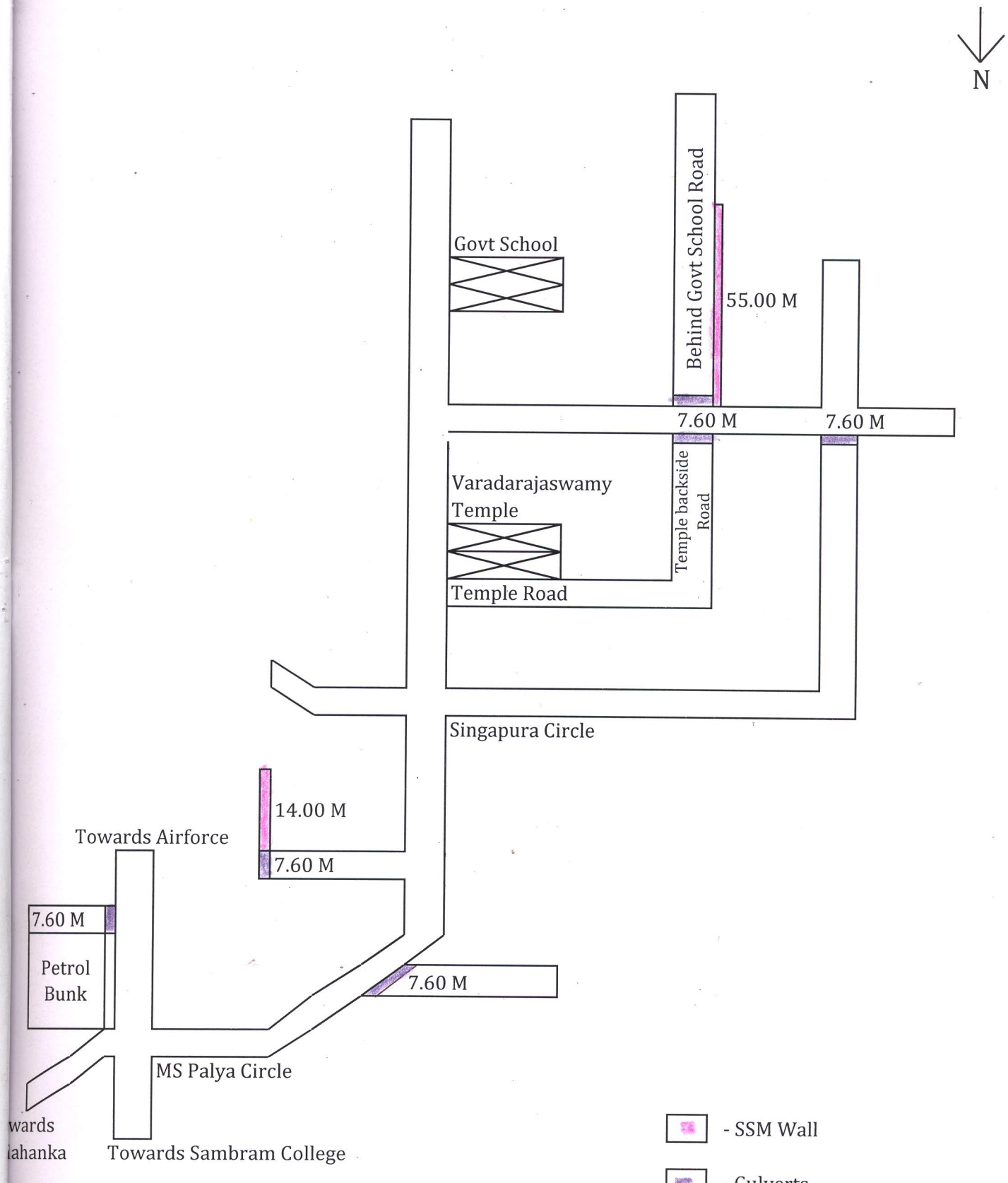
Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

10.00 lakhs Ten lakhs only
EE/BTP/208/13-14, 23/12/13.
Subject
Dr
EE (BTP.Div.)

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Sketch for the Work of Construction of SSM Drain from Singapura Govt School to Ashraya Layout in Ward No. 11 (Kuvempunagara) Vidyaranyapura Sub Division.



Junior Engineer
Ward No. 11

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ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಕಾವೇರಿ ಪ್ಲಾಜಾ,
ಬೃ ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97.

Assistant Executive Engineer
Vidyanaranyapura Sub Division